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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/12/2003

Crowell & Moring, L.L.P. P.O. Box 14300 Washington, DC 20044-4300

EXA	MINER		
CAO, ALLEN T			
ART UNIT	PAPER NUMBER		
2652	d		

DATE MAILED: 12/12/2003

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/091,298	03/06/2002	Hisao Deo	3064YO/50999	8166

TITLE OF INVENTION: DISK CHANGER

	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
_	nonprovisional	NO	\$1330	\$300	\$1630	03/12/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

appropriate. All further cor	respondence including the Pa below or directed otherwise i	atent, advance ord	ders and notification	n of maintenance fees	quired). Blocks 1 through 4 s s will be mailed to the current ss; and/or (b) indicating a sepa	correspondence address as
CURRENT CORRESPONDENC	E ADDRESS (Note: Legibly mark-up	with any corrections or	use Block I)	papers. Each addition	of mailing can only be used for This certificate cannot be used anal paper, such as an assignment that of mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must
Crowell & Morin P.O. Box 14300 Washington, DC 20	-			I hereby certify that States Postal Service addressed to the M	Certificate of Mailing or Trans this Fee(s) Transmittal is bein e with sufficient postage for fir fail Stop ISSUE FEE address SPTO, on the date indicated bel	g deposited with the United st class mail in an envelope above, or being facsimile
					,	(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	I	FIRST NAMED INVE	NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1330	· · · · · · · · · · · · · · · · · · ·	\$300	\$1630	03/12/2004
EXAM	INER	ART UNI	IT (CLASS-SUBCLASS		
CAO, A	LLEN T	2652		369-030950	_	·
Address form PTO/SB/12 "Fee Address" indicatic PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless	on (or "Fee Address" Indication more recent) attached. Use RESIDENCE DATA TO BE an assignee is identified belod to the USPTO or is being su	on form of a Customer PRINTED ON T w, no assignee da bmitted under sep	firm (having as agent) and the nattorneys or agent will be printed. THE PATENT (print at a will appear on the parate cover. Complete the parate cover.	ne natent Inclusion of	d attorney or 2 istered patent ted, no name 3 assignee data is only approprio OT a substitute for filing an ass	ate when an assignment has ignment.
Please check the appropriate	assignee category or categori	es (will not be pri	nted on the natent):	☐ individual □	corporation or other private gr	roum antitu. Danuarran
4a. The following fee(s) are			Payment of Fee(s):		2 corporation of other private gr	roup entity
☐ Issue Fee			☐ A check in the ar	nount of the fee(s) is e	enclosed.	
☐ Publication Fee	~ ·		☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to			
☐ Advance Order - # of 0	Copies		Deposit Account N	hereby authorized by umber	charge the required fee(s), or (enclose an extra c	credit any overpayment, to opy of this form).
Director for Patents is reques	sted to apply the Issue Fee and	d Publication Fee	(if any) or to re-app	y any previously paid	l issue fee to the application ide	ntified above.
(Authorized Signature)		(Date)				
other than the applicant; interest as shown by the rec	Publication Fee (if required a registered attorney or ager cords of the United States Pate	nt; or the assigne ent and Trademarl	e or other party in k Office.			
suggestions for reducing the Patent and Trademark (22313-1450. DO NOT S SEND TO: Commissioner	tion is required by 37 CFR is by the public which is to file is governed by 35 U.S.C. 12 es to complete, including gat in to the USPTO. Time will the amount of time you re his burden, should be sent to Office, U.S. Department of END FEES OR COMPLET for Patents, Alexandria, Virgi duction Act of 1995, no penless it displays a valid OMB	the Chief Inform f Commerce, A ED FORMS TO nia 22313-1450.	nation Officer, U.S. lexandria, Virginia THIS ADDRESS.			·



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10/091,298	03/06/2002	Hisao Deo	3064YO/50999	8166	
75	590 12/12/2003		EXAMI	NER	
Crowell & Moring, L.L.P.			CAO, AL	CAO, ALLEN T	
P.O. Box 14300 Washington, DC 20	0044-4300		ART UNIT	PAPER NUMBER	
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			DATE MAILED: 12/12/2003		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 73 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 73 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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P.O. Box 14300 Washington, DC 20	0044-4300		ART UNIT	PAPER NUMBER
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			DATE MAILED: 12/12/2003	9

Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fed. Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

(b) Issue fee for issuing a design patent:

(c) Issue fee for issuing a plant patent:

By other than a small entity......\$640.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)		
	10/091,298	DEO, HISAO		
Notice of Allowability	Examiner	Art Unit		
	Allen T Cao	2652		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31:	6 (OR REMAINS) CLOSED in this ap) or other appropriate communication RIGHTS. This application is subject to	oplication. If not included n will be mailed in due course. THIS		
1. This communication is responsive to Amd't "A" filed 10/28	1/03 and Amd't "B" filed 11/07/03.			
2. The allowed claim(s) is/are 1-7.				
 3. ☐ The drawings filed on <u>06 March 2002</u> are accepted by the 4. ☐ Acknowledgment is made of a claim for foreign priority u 				
a) All b) Some* c) None of the:	nder 33 0.3.0. § 119(a)-(d) or (i).			
⊠ Certified copies of the priority documents hav	e been received.			
2. Certified copies of the priority documents hav	e been received in Application No	·		
Copies of the certified copies of the priority do	ocuments have been received in this	national stage application from the		
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority use reference was included in the first sentence of the specific (a) The translation of the foreign language provisional and acknowledgment is made of a claim for domestic priority use in the first sentence of the specification or in an Application	ation or in an Application Data Shee application has been received. under 35 U.S.C. §§ 120 and/or 121 s	et. 37 CFR 1.78.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of				
7. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which giv				
 8. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No. (b) including changes required by the proposed drawing concluding changes required by the attached Examiner 	correction filed, which has b	een approved by the Examiner.		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in				
9. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR				
Attachment(s)				
1 ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of Informal Page 1988	atent Application (PTO-152)		
2 Notice of Draftperson's Patent Drawing Review (PTO-948)		(PTO-413), Paper No		
3 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No	B), 7☐ Examiner's Amendment/Comment			
4 Examiner's Comment Regarding Requirement for Deposit	8 Examiner's Stateme	ent of Reasons for Allowance		
of Biological Material	9☐ Other .	Menlas		
		Allen Cao		
		Primary Examiner		
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